

OCT 25 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Trudy L. Benjamin et al. Examiner: Laura E. Martin
Serial No.: 10/827,045 Group Art Unit: 2853
Filed: April 19, 2004 Docket No.: 200311485-1
Title: DEVICE WITH GATES CONFIGURED IN LOOP STRUCTURES

CERTIFICATE OF TRANSMISSION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I hereby certify that the following paper(s) are being facsimile transmitted to the U.S. Patent and Trademark Office, Fax. No. (571) 273-8300 on the date shown below:

1. Transmittal Letter for Response/Amendment (1 pg.); and
2. Response to Restriction Requirement (3 pgs.)

Date: October 25, 2006

PGB cmj

By: 

Name: Patrick G. Billig (Reg. No. 38,080)

5 Pages (including cover page)

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OCT 25 2006

HEWLETT-PACKARD COMPANY
 Intellectual Property Administration
 P.O. Box 272400
 Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200311485-1

Inventor(s): **Trudy L. Benjamin et al.**

Confirmation No.: 2390

Application No.: 10/827,045

Examiner: Laura E. Martin

Filing Date: **April 19, 2004**

Group Art Unit: 2853

Title: **DEVICE WITH GATES CONFIGURED IN LOOP STRUCTURES**

Mail Stop Amendment
 Commissioner For Patents
 PO Box 1450
 Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Transmitted herewith is/are the following in the above-identified application:

- ☒ Response/Amendment
☐ New fee as calculated below
☒ No additional fee
☒ Other Certificate of Transmission (1 pg.)

- ☐ Petition to extend time to respond
☐ Supplemental Declaration

Fee\$

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS		MINUS		= 0	X \$50	\$ 0
INDEP. CLAIMS		MINUS		= 0	X \$200	\$ 0
<input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$360	\$ 0
EXTENSION FEE	<input type="checkbox"/> 1st Month \$120	<input type="checkbox"/> 2nd Month \$450	<input type="checkbox"/> 3rd Month \$1020	<input type="checkbox"/> 4th Month \$1590		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally charge any fees to Deposit Account 08-2025 under 37 CFR 1.18 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

I hereby certify that this paper is being
 transmitted to the Patent and Trademark Office
 facsimile number (571) 273-8300.
 Date of facsimile: October 25, 2006

Typed Name: **Patrick G. Billig**

Signature: 

Respectfully submitted,

Trudy L. Benjamin et al.

By 

Patrick G. Billig

Attorney/Agent for Applicant(s)

Reg No. : 38,080

Date : October 25, 2006

Telephone : (612) 573-2003

OCT 25 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Trudy L. Benjamin et al.

Examiner: Laura E. Martin

Serial No.: 10/827,045

Group Art Unit: 2853

Filed: April 19, 2004

Docket No.: 200311485-1

Title: DEVICE WITH GATES CONFIGURED IN LOOP STRUCTURES**RESPONSE TO RESTRICTION REQUIREMENT**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Election/Restriction

In the written Election/Restriction Requirement mailed September 25, 2006, the Examiner required restriction to one of the following species:

- I. Species I (claims 1-18): comprising a fire line, a drive switch, a first transistor, a second transistor, and a third transistor;
- II. Species II (claims 19-23): comprising a first transistor, a second transistor, and a third transistor;
- III. Species III (claims 24-27) (Note that Applicant assumes that the Examiner meant claims 24-26); comprising a substrate, a first gate, a second gate, and a third gate;
- IV. Species IV (claims 28-32) (Note that Applicant assumes that the Examiner meant claims 27-32): comprising a first transistor, a second transistor, a third transistor, and a fourth transistor;
- V. Species V (claims 33-35): comprising a substrate, a first gate, a second gate, and a third gate, wherein a second active region is coupled to a third active region;
- VI. Species VI (claims 36 and 37): a first transistor and a second transistor;
- VII. Species VII (claims 28-44) (Note that Applicant assumes that the Examiner meant claims 38-44): receiving energy pulses, controlling a drive switch, ejecting fluid.

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Response to Restriction Requirement

Applicant: Trudy L. Benjamin et al.

Serial No.: 10/827,045

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Title: DEVICES WITH GATES CONFIGURED IN LOOP STRUCTURES

In response to the Election/Restriction Requirement, Applicant hereby elects Species I with traverse for prosecution on the merits. Applicant makes this election with traverse because the Examiner made an error in the Restriction Requirement in indicating that the Species I-VII are all respectively grouped by claims. M.P.E.P § 806.04(e) specifically states that "claims are definitions of inventions. *Claims are never species. . . . Species are always the specifically different embodiments.*" Therefore, Applicant respectfully submits that the above species Election/Restriction Requirement is not proper.

Pending claims 1-23 and 36-44 read on elected Species I.

CONCLUSION

Having thus addressed the Election/Restriction Requirement imposed by the Examiner, Applicant respectfully requests reconsideration of the application and allowance of all pending claims.

Response to Restriction Requirement

Applicant: Trudy L. Benjamin et al.

Serial No.: 10/827,045

Filed: April 19, 2004

Docket No.: 200311485-1

Title: DEVICES WITH GATES CONFIGURED IN LOOP STRUCTURES

Any inquiry regarding this Response should be directed to either Donald J. Coulman at Telephone No. 541-715-1694, Facsimile No. 541-715-8581 or Patrick G. Billig at Telephone No. (612) 573-2003, Facsimile No. (612) 573-2005. In addition, all correspondence should continue to be directed to the following address:

IP Administration
Legal Department, M/S 35
HEWLETT-PACKARD COMPANY
P.O. Box 272400
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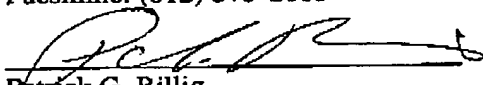
Respectfully submitted,

Trudy L. Benjamin et al.,

By their attorneys,

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Patrick G. Billig
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CERTIFICATE UNDER 37 C.F.R. 1.8: The undersigned hereby certifies that this paper or papers, as described herein, are being facsimile transmitted to the United States Patent and Trademark Office, Fax No. (571) 273-8300 on this 25 day of October, 2006.

By 
Name: Patrick G. Billig